## IN THE CLAIMS

Please amend the claims as follows. This listing of claims will replace all prior versions and listings of the claims in the present application.

- (Currently Amended) A method for increasing urine flow in an individual in need thereof comprising administering an amount of a GLP-1 or a GLP-1 agonist <u>analog or derivative</u> effective to increase urine flow.
- (Original) The method of claim 1, wherein said increase in urine flow is accompanied by an increase in sodium excretion in said individual.
- (Original) The method of claim 1, wherein said increase in urine flow does not increase urinary potassium concentration in said individual.
- 4. (Currently Amended) A method of decreasing the concentration of potassium in the urine of an individual in need thereof comprising administering to said individual an amount of a GLP-1 or GLP-1 agonist <u>analog or derivative</u> effective to decrease the concentration of potassium in the urine.
- (Currently Amended) A method of alleviating a condition or disorder associated with toxic hypervolemia in an individual, comprising administering to said individual a therapeutically effective amount of a GLP-1 or GLP-1 agonist analog or derivative.
- (Currently Amended) A method of treating congestive heart failure in an individual comprising administering to said individual a therapeutically effective amount of a GLP-1 or GLP-1 agonist <u>analog or derivative</u>.
- 7. (Original) The method of claim 5, wherein said condition or disorder is hypertension or renal failure.
- (Currently Amended) A method of inducing rapid diuresis in an individual in need of diuresis comprising administering to said individual an amount of a GLP-1 or GLP-1 agonist analog or derivative effective to induce diuresis.

- (Currently Amended) A method of preparing an individual for a surgical procedure comprising administering to said individual a therapeutically effective amount of a GLP-1 or GLP-1 agonist analog or derivative.
- (Original) The method of claim 9, wherein said surgical procedure is selected from the group consisting of ocular surgical procedures and neurosurgical procedures.
- (Currently Amended) The method of claim 9, wherein said GLP-1 or GLP-1 agonist analog or derivative is administered to said individual before said surgical procedure.
- 12. (Currently Amended) A method of increasing renal plasma flow and glomerular filtration rate in an individual in need thereof comprising administering to said individual an amount of a GLP-1 or GLP-1 agonist analog or derivative effective to increase renal plasma flow and glomerular filtration rate.
- 13. (Currently Amended) A method of treating pre-eclampsia or eclampsia of pregnancy in an individual having pre-eclampsia or eclampsia, comprising administering to said individual a therapeutically effective amount of a GLP-1 or GLP-1 agonist <u>analog or derivative</u>.
- 14. (Withdrawn, Currently Amended) The method according to any of claims 1, 4, 5, 6, 8, 9, 12, or 13, wherein said GLP-1 or GLP-1 agonist <u>analog or derivative</u> is selected from the group consisting of GLP-1(7-34) and GLP-1(7-35), GLP-1(7-37), GLP-1(7-36), GlP<sup>9</sup> -GLP-1(7-37), D-GlP<sup>9</sup> -GLP-1(7-37), acetyl-Lys<sup>9</sup> -GLP-1(7-37), Thr<sup>16</sup> -Lys<sup>18</sup> -GLP-1(7-37), and Lys<sup>18</sup> -GLP-1(7-37).
- (Withdrawn, Currently Amended) The method according to any of claims 1, 4, 5,
   8, 9, 12, or 13, wherein said GLP-1 agonist analog or derivative is:

 $R_1-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Xaa_{40}-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-R_3 \ (SEQ ID NO:67)$ 

 $R_2$ 

wherein  $R_1$  is selected from the group consisting of 4-imidazopropionyl (des-amino-histidyl), 4-imidazoacetyl, or 4-imidazoacetyl  $\alpha$  adimethyl-acetyl:

R<sub>2</sub> is selected from the group consisting of C<sub>6</sub>-C<sub>10</sub> unbranched acyl, or is absent;

R<sub>3</sub> is selected from the group consisting of Gly-OH or NH<sub>2</sub>; and,

Xaa40 is Lys or Arg.

- (Withdrawn, Currently Amended) The method according to any of claims 1, 4, 5,
   8, 9, 12, or 13, wherein said GLP-1 agonist analog or derivative is
- $R_4 \qquad \text{-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Xaa_{41}-Gly-Arg-R_5 (SEO ID NO:68)}$

wherein R4 is selected from the group consisting of:

- a) H2 N;
- b) H2 N-Ser;
- c) H2 N-Val-Ser;
- d) H2 N-Asp-Val-Ser;
- e) H2 N-Ser-Asp-Val-Ser (SEO ID NO:69);
- f) H<sub>2</sub> N-Thr-Ser-Asp-Val-Ser (SEQ ID NO:70);
- g) H2 N-Phe-Thr-Ser-Asp-Val-Ser (SEQ ID NO:71);
- h) H<sub>2</sub> N-Thr-Phe-Thr-Ser-Asp-Val-Ser (SEQ ID NO:72);
- i) H2 N-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser (SEO ID NO:73):
- i) H2 N-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser (SEO ID NO:74); or
- k) H2 N-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser (SEQ ID NO:75);

Xaa41 is selected from the group consisting of Lys or Arg; and

wherein R<sub>5</sub> is selected from the group consisting of NH<sub>2</sub>, OH, Gly-NH<sub>2</sub>, or Gly-OH.

17. (Withdrawn, Currently Amended) The method according to any of claims 1, 4, 5, 6, 8, 9, 12, or 13, wherein said GLP-1 agonist analog or derivative is

$$H-A-E-G-T-F-T-S-D-V-S-S-Y-L-E-G-Q-A-A-K-E-F \\ -I-A-W-L-V-K-(G)\cdot (R)\cdot (G) \ (SEQ\ ID\ NO:76)$$

wherein (G), (R), and (G) are present or absent depending on the indicated chain length with at least one modification of SEQ ID NO:76, selected from the group consisting of:

(a) substitution of a neutral amino acid, arginine, or a D form of lysine for lysine at position 26 and/or 34 and/or a neutral amino acid, lysine, or a D form of arginine for arginine at position 36;

- (b) substitution of an oxidation-resistant amino acid for tryptophan at position 31;
- (c) substitution according to at least one of:
  - Y for V at position 16;
  - K for S at position 18;
  - D for E at position 21;
  - S for G at position 22;
  - R for Q at position 23;
  - R for A at position 24; and
  - O for K at position 26;
- (d) a substitution comprising at least one of:
  - an alternative small neutral amino acid for A at position 8;
    - an alternative acidic amino acid or neutral amino acid for E at position 9:
    - an alternative neutral amino acid for G at position 10; and
    - an alternative acidic amino acid for D at position 15; and
- (e) substitution of an alternative neutral amino acid or the D or N-acylated or alkylated form of histidine for histidine at position 7.
- (Withdrawn, Currently Amended) The method according to any of claims 1, 4, 5,
   8, 9, 12, or 13, wherein said GLP-1 or GLP-1 agonist <u>analog or derivative</u> is administered peripherally.
- 19. (Withdrawn, Currently Amended) The method of claim 18, wherein said peripheral administration is selected form the group consisting of buccal, nasal, pulmonary, oral, intravenous, subcutaneously intraocular, rectal, and transfermal administration.
- (Currently Amended) A method for increasing cardiac contractility in an
  individual in need thereof comprising administering an amount of a GLP-1 or GLP-1 agonist
  analog or derivative effective to increase cardiac contractility.
- (Currently Amended) A method for treating a condition or disorder that can be alleviated by increasing cardiac contractility in an individual having said condition or disorder

comprising administering an amount of a GLP-1 or GLP-1 agonist <u>analog or derivative</u> effective to increase cardiac contractility.

- 22. (Original) The method according to claim 21 wherein said condition or disorder is congestive heart failure.
- 23. (Currently Amended) The method according to claim 20 or claim 21 wherein said GLP-1 or GLP-1 agonist <u>analog or derivative</u> is selected from the group consisting GLP-1(7-34) and GLP-1(7-35), GLP-1(7-37), GLP-1(7-36), Gln<sup>9</sup>-GLP-1(7-37), D-Gln<sup>9</sup>-GLP-1(7-37), acetyl-Lys<sup>9</sup>-GLP-1(7-37), Thr<sup>16</sup>-Lys<sup>18</sup>-GLP-1(7-37), Lys<sup>18</sup>-GLP-1(7-37),

a peptide of formula (II):

 $R_1-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Xaa_{40}-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-R_3 \ (SEQ ID NO:67)$ 

R<sub>2</sub>

wherein  $R_1$  is selected from the group consisting of 4-imidazopropionyl (des-aminohistidyl), 4-imidazoacetyl, or 4-imidazo- $\alpha$ ,  $\alpha$ dimethyl-acetyl;

R<sub>2</sub> is selected from the group consisting of C<sub>6</sub>-C<sub>10</sub> unbranched acyl, or is absent;

R<sub>3</sub> is selected from the group consisting of Gly-OH or NH<sub>2</sub>; and,

Xaa40 is Lvs or Arg.

a peptide of formula (III):

 $R_4 \qquad -Ser\text{-}Tyr\text{-}Leu\text{-}Glu\text{-}Gly\text{-}Gln\text{-}Ala\text{-}Lys\text{-}Glu\text{-}Phe\text{-}Ile\text{-}Ala\text{-}Trp\text{-}Leu\text{-}Val\text{-}Xaa_{41}\text{-}Gly\text{-}Arg\text{-}Rs} \\ \text{(SEO ID NO:}68)$ 

wherein R4 is selected from the group consisting of:

- a) H<sub>2</sub> N;
- b) H2 N-Ser;
- c) H<sub>2</sub> N-Val-Ser;
- d) H<sub>2</sub> N-Asp-Val-Ser;
- e) H2 N-Ser-Asp-Val-Ser (SEQ ID NO:69);
- f) H<sub>2</sub> N-Thr-Ser-Asp-Val-Ser (SEQ ID NO:70);
- g) H2 N-Phe-Thr-Ser-Asp-Val-Ser (SEQ ID NO:71);

- h) H<sub>2</sub> N-Thr-Phe-Thr-Ser-Asp-Val-Ser (SEQ ID NO:72);
- i) H2 N-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser (SEQ ID NO:73);
- j) H2 N-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser (SEQ ID NO:74); or
- k) H<sub>2</sub> N-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser (SEQ ID NO:75);

Xaa41 is selected from the group consisting of Lys or Arg; and

wherein  $R_5$  is selected from the group consisting of  $NH_2$ , OH, Gly- $NH_2$ , or Gly-OH, and a peptide of:

wherein (G), (R), and (G) are present or absent depending on the indicated chain length with at least one modification of SEQ ID NO:76 selected from the group consisting of:

- (a) substitution of a neutral amino acid, arginine, or a D form of lysine for lysine at position 26 and/or 34 and/or a neutral amino acid, lysine, or a D form of arginine for arginine at position 36;
- (b) substitution of an oxidation-resistant amino acid for tryptophan at position 31;
- (c) substitution according to at least one of:

Y for V at position 16;

K for S at position 18:

D for E at position 21;

S for G at position 22;

R for Q at position 23;

R for A at position 24; and

Q for K at position 26;

- (d) a substitution comprising at least one of:
  - an alternative small neutral amino acid for A at position 8;
  - an alternative acidic amino acid or neutral amino acid for E at position 9;
  - an alternative neutral amino acid for G at position 10; and
  - an alternative acidic amino acid for D at position 15; and
- (e) substitution of an alternative neutral amino acid or the D or N-acylated or alkylated form of histidine for histidine at position 7.

- 24. (Currently Amended) The method according to claim 20 or claim 21 wherein said GLP-1 or GLP-1 agonist analog or derivative is administered peripherally.
- (Currently Amended) The method according to claim 24, wherein said GLP-1 or GLP-1 agonist analog or derivative is administered subcutaneously.
- (Original) The method of claim 24, wherein said peripheral administration is selected form the group consisting of buccal, nasal, pulmonary, oral, intravenous, intraocular, rectal, and transfermal administration.
- (Original) The method of claim 5, wherein the condition or disorder is congestive heart failure.
- (Original) The method of claim 5, wherein the condition or disorder is nephrotic syndrome.
- (Original) The method of claim 5, wherein the condition or disorder is pulmonary
  - 30. (Original) The method of claim 5, wherein the condition or disorder is cirrhosis.
- (Original) The method of claim 21, wherein the condition or disorder is pulmonary edema.
- (Original) The method of claim 21, wherein the condition or disorder is systemic edema.
- (Original) The method of claim 21, wherein the condition or disorder is renal failure.
- 34. (Original) A method of treating congestive heart failure in an individual comprising administrating to said individual a therapeutically effective amount of an exendin or exendin agonist.